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(54) Title: FUEL CELL SYSTEM

36 58 37 31 30 50 20 39 12 33 32 FUEL TANK

39 12 33 32 FUEL TANK

16 24 S13 TO ELECTRIC LOAD SUCH AS INVERTER

(57) Abstract: A fuel cell system (100) includes two supply passages (30, 32) for supplying the hydrogen to the anode (14). Valves (22, 23) which control flow amounts of the hydrogen passing through the two supply passages (30, 32) are provided. An exhaust passage (34) which outputs exhaust gas from the anode (14) is provided on the supply passage, and a valve (24) is also provided. When the valve (24) on the exhaust passage (34) is closed, the flow amount ratios of the hydrogen passing through the two supply passages (30, 32) are varied in time. Therefore, impurities such as nitrogen can be diffused. Thereby, a hydrogen purge amount can be reduced.



WO 2005/076393 A3

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